

Laboratory Analysis Report

Total Number of Pages: 6

Job ID : 19051543



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name : ITC-DP Outfall 002

Report To :	Client Name:	Intercontinental Terminal Company	P.O.#.: 375784
	Attn:	Tyler Blankenship	Sample Collected By: C. Pilla
	Client Address:	P. O. Box 698	Date Collected: 05/21/19
	City, State, Zip:	Deer Park , TX, 77536	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
WW-20190521-002-Day19	Water	19051543.01

A handwritten signature in black ink, appearing to read 'S. C. LK.'.

Released By: Senthilkumar Sevukan
Title: Assistant Lab Manager
Date: 5/23/2019



This Laboratory is NELAP (T104704213-19-20) accredited. Effective: 04/01/2019; Expires: 3/31/2020

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 05/22/2019 14:20

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 19051543

Date: 5/23/2019

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count
J	Estimation. Below calibration range but above MDL		

Qualifier Definition

**LABORATORY TEST RESULTS**

Job ID : 19051543

Date 5/23/2019

Client Name: Intercontinental Terminal Company

Attn: Tyler Blankenship

Project Name: ITC-DP Outfall 002

Client Sample ID: WW-20190521-002-Day19

Job Sample ID: 19051543.01

Date Collected: 05/21/19

Sample Matrix Water

Time Collected: 11:30

% Moisture

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	SDL	MQL	Q	Date Time	Analyst
SM 4500CN-CG	Cyanide, Amenable Ultra Low								
	Cyanide, Amenable	<0.001	mg/L	1	0.001	0.002		05/23/19 13:30	LEB
	Cyanide, Available	<0.001	mg/L	1	0.001	0.002		05/23/19 13:30	LEB

QUALITY CONTROL CERTIFICATE



Job ID : 19051543

Date : 5/23/2019

Analysis : Cyanide, Amenable Ultra Low **Method :** SM 4500CN-CG **Reporting Units :** mg/L

QC Batch ID : Qb19052377 **Created Date :** 05/23/19 **Created By :** LEBell

Samples in This QC Batch : 19051543.01

Sample Preparation : PB19052339 **Prep Method :** SW-846 9013 **Prep Date :** 05/23/19 09:45 **Prep By :** LEBell

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.001	
Cyanide, Available	57-12-5	< MDL	mg/L	1	0.002	0.001	

QC Type: Duplicate

QC Sample ID: 19051543.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
Cyanide, Amenable	BRL	BRL		0	20	
Cyanide, Available	BRL	BRL		0	20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.02	0.0201	101	0.02	0.0196	98	2.5		80-120	
Cyanide, Available	0.02	0.0201	101	0.02	0.0196	98	2.5		80-120	

QC Type: MS and MSD

QC Sample ID: 19051543.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Cyanide, Amenable	BRL	0.02	BRL							80-120	
Cyanide, Available	BRL	0.02	BRL							80-120	



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Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
info@ablabs.com
www.ablabs.com

1. REPORT TO:
Co: Intercontinental Terminals Co
Address: 1943 Independence Pkwy
City, St. Zip: LaPorte TX 77571
Contact: Tyler Blankenship
Phone: 281-884-0358/832-643-9594
Fax:
Email: tblankenship@item.com
CC: distribution list

2. INVOICE TO:
Company: Same
Address:
Contact:
Phone:
Fax:
Email: ap@item.com
CC:

3. PO # 375784

4. Turnaround Time- Business Days

☒ 1 Day * ☐ 5 Days *
☐ 2 Days * ☐ 7 Days-Std
☐ 3 Days * ☐ Other _____

* Surcharge Applies

Day Zero is the day sample is received. Report due at 5pm on due day.

A&B JOB ID - 19051543

5. Project #

6. Project Name / Location

ITC - DP OUTFALL 002

7. Reporting Requirement

☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☒ Standard Level II

8. Sampler's Name & Company

Sampler's Signature & Date

C. Pilla, Cardno

9. Sample ID & Description

Lab Use Only

10. Sampling

11.

12. Matrix

Date

Time

comp

grab

Water

Soil

Sludge

Oil

Air

Other

13. No. of Containers
Amenable Cyanide Low (ultra low)

P
O.H.T.

14. Containers*

15. Preservatives**

16. pH-Lab Only

18. Comments

Outfall 002

WW-20190521-002-Day 19 OIA

5/21/19

1130

X

X

X

X

X

X

X

X

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

19. RELINQUISHED BY

DATE

TIME

20. RECEIVED BY

DATE

TIME

KNOWN HAZARDS / COMMENT

1) C. Pilla

5/22/19

1323

1) Ray R

5-22/19

1323

2) Ray R

5-22/19

1420

2) Ray R

5/22/19

1420

3) Ray R

5-22/19

1420

3) Ray R

5-22/19

1420

2.7-0.5 = 2.2 °C 1707620

* Containers: VOA- 40 ml vial

4 oz/8 oz- glass wide mouth

A/G- Amber/Glass 1 Liter

P/O- Plastic/other

**Preservatives: C-Cool H- HCl N- HNO3

S-H2SO4 OH- NaOH T-Na2S2O3 X- Other

Temperature:

Intact?

☒ Y☐ N

Initials

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW
COC TO YOUR PROJECT MANAGER.

Samples will be disposed of after 30 days. A&B reserves the right to return samples.



Sample Condition Checklist

A&B JobID : 19051543		Date Received : 05/22/2019		Time Received : 2:20PM	
Client Name : Intercontinental Terminal Company					
Temperature : 2.7-0.5cf=2.2°C		Sample pH : >12			
Thermometer ID : 1707629		pH Paper ID : 72375			
	Check Points	Yes	No	N/A	
1.	Cooler seal present and signed.		X		
2.	Sample(s) in a cooler.	X			
3.	If yes, ice in cooler.	X			
4.	Sample(s) received with chain-of-custody.	X			
5.	C-O-C signed and dated.	X			
6.	Sample(s) received with signed sample custody seal.		X		
7.	Sample containers arrived intact. (If no comment).	X			
8.	Matrix : <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge <input type="checkbox"/> Solid <input type="checkbox"/> Cassette <input type="checkbox"/> Tube <input type="checkbox"/> Bulk <input type="checkbox"/> Badge <input type="checkbox"/> Food <input type="checkbox"/> Other <input type="checkbox"/>				
9.	Sample(s) were received in appropriate container(s).	X			
10.	Sample(s) were received with proper preservative	X			
11.	All samples were logged or labeled.	X			
12.	Sample ID labels match C-O-C ID's	X			
13.	Bottle count on C-O-C matches bottles found.	X			
14.	Sample volume is sufficient for analyses requested.	X			
15.	Samples were received within the hold time.	X			
16.	VOA vials completely filled.			X	
17.	Sample accepted.	X			
18.	Has client been contacted about sub-out			X	
Comments : Include actions taken to resolve discrepancies/problem:					

Received by : JMontemayor

Check in by/date : JMontemayor /
05/22/2019